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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/579,588	02/12/2007	Petrus Wilhelmus Nicolaas Maria Van Leeuwen	U 016293-3	4763
140	7590	12/03/2008	EXAMINER	
LADAS & PARRY LLP 26 WEST 61ST STREET NEW YORK, NY 10023			WITHERSPOON, SIKARL A	
			ART UNIT	PAPER NUMBER
			1621	
			MAIL DATE	
			12/03/2008	DELIVERY MODE
				PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/579,588	VAN LEEUWEN ET AL.	
	Examiner	Art Unit	
	Sikarl A. Witherspoon	1621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 24 August 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-23 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-23 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>5/17/06</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bahrmann et al (US 6,051,743) and Godwin et al (US 6,307,093) in combination, and further in view of Packett et al (US 5,886,237).

The claims are drawn to a process for producing oxygenated products from a Fischer-Tropsch-derived olefinic feedstock, by hydroformylation of the olefin feed in the presence of a catalyst system comprising a rhodium compound, carbon monoxide, hydrogen, a monodentate phosphate ligand as primary ligand, and as secondary ligand, a bidentate phosphorus ligand.

Bahrmann et al teach a process for the preparation of unbranched primary alcohols by the hydroformylation of olefins derived from a Fischer-Tropsch synthesis wherein the catalyst is a rhodium compound and a water-soluble phosphine containing at least one sulfonated or carboxylated aromatic radical and whose cation is a quaternary ammonium or phosphonium ion (abstract). The hydroformylation is conducted at 20 to 150° C and pressures of 0.1 to 20 MPa. Monophosphines or diphosphines may be employed as ligand, and the rhodium source may be metallic rhodium or rhodium salts such as rhodium chloride, sulfate, acetate, or rhodium oxides.

The rhodium concentration in the catalyst solution is from 10 to 2000 ppm by weight (col. 2, line 1 to col. 5, line 3).

The primary difference between Bahrmann et al and the instant claims is that Bahrmann et al do not teach a monodentate ligand and a bidentate ligand being employed together; however, Godwin et al teach hydroformylation of an olefinic feed using a rhodium catalyst and as ligand, a monodentate phosphine or phosphite, a bidentate phosphine or phosphite, or both (col. 7, lines 2 to 56).

Packett et al is cited to teach the use of various ligands similar in scope to those recited in the instant claims, used in hydroformylation reactions catalyzed by a rhodium compound (col. 4, line 50 to col. 28, line 33).

In view of the combined reference teachings, it would have been obvious to use a combination of a monodentate and bidentate phosphorus ligand in a hydroformylation reaction using olefins derived from a Fischer-Tropsch process, since the combined teachings suggests the desirability of doing so if a higher proportion of linear oxygenated products are desired as a result of the hydroformylation of the Fischer-Tropsch-derived olefins.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikarl A. Witherspoon whose telephone number is 571-272-0649. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Sullivan can be reached on 571-272-0779. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sikarl A. Witherspoon/
Primary Examiner, Art Unit 1621